

SUPPLEMENT TO HOBBIES No. 2520.

AUTOMATIC CIGARETTE BOX

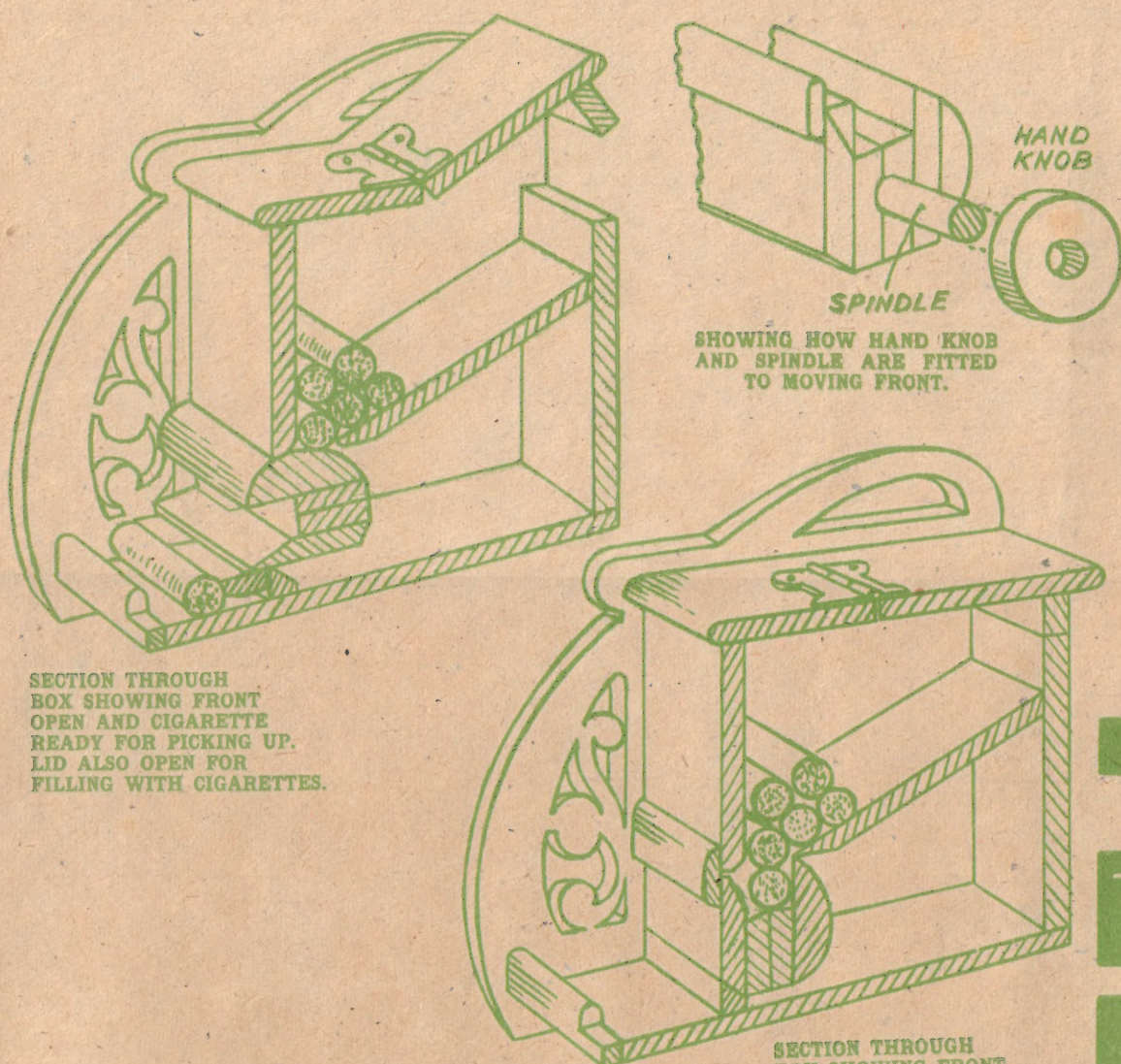
SIZE:—4½ins. BY 3½ins. BY 4½ins. HIGH.

PANELS OF WOOD REQUIRED FOR THIS DESIGN

ONE G3 ONE H3

The price is shown in Hobbies Weekly, Feb. 2nd, 1944, but is subject to revision. See the current edition of Hobbies Handbook, or write for price to Hobbies Limited, Dereham, Norfolk.

The arrows indicate the direction of grain of wood.



SECTION THROUGH BOX SHOWING FRONT OPEN AND CIGARETTE READY FOR PICKING UP. LID ALSO OPEN FOR FILLING WITH CIGARETTES.

SHOWING HOW HAND KNOB AND SPINDLE ARE FITTED TO MOVING FRONT.

SECTION THROUGH BOX SHOWING FRONT CLOSED.



OUTSIDE FRONT RAIL. CUT ONE 3/16in. AND RUB DOWN TO 1/8in. AND SHAPE UP TO SECTION.

CIGARETTE REST. CUT TWO 3/16in. AND GLUE TOGETHER. See detail.

CIGARETTE REST. CUT TWO PIECES 3/16in. AND GLUE TOGETHER AND SHAPE UP TO SECTION. See detail.



FRONT. LOWER RAIL GLUED TO FLOOR. CUT ONE 3/16in. AND CHAMFER TOP EDGE TO SECTION.

CUT ALONG THIS LINE

LINE OF OUTSIDE RAIL

CHAMFER

FRONT. CUT FROM 3/16in. THE LOWER PORTION IS MADE MOVABLE. See detail.

NOTE:—This design sheet is only presented free with the current issue of Hobbies and not with back numbers. Further copies may be obtained.

FLOOR. CUT ONE 3/16in.

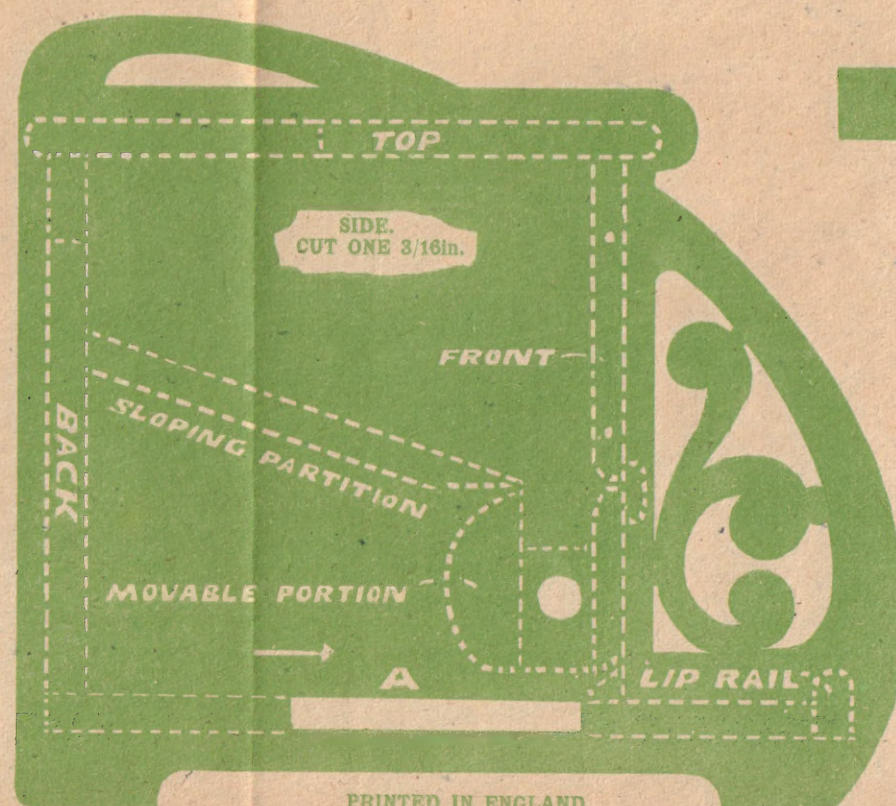
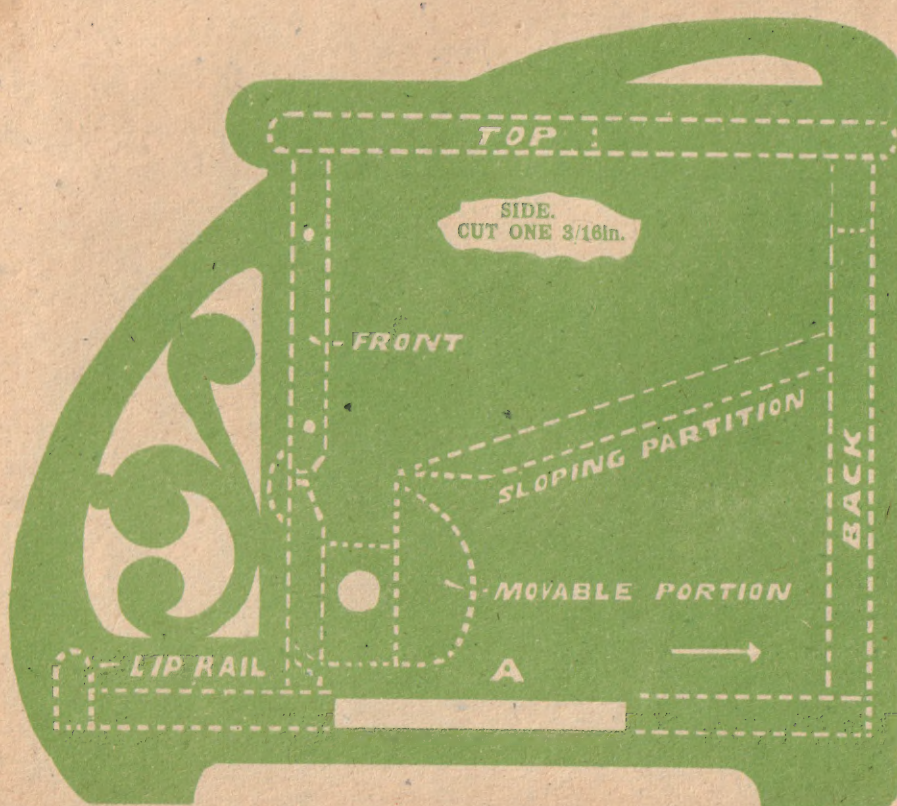
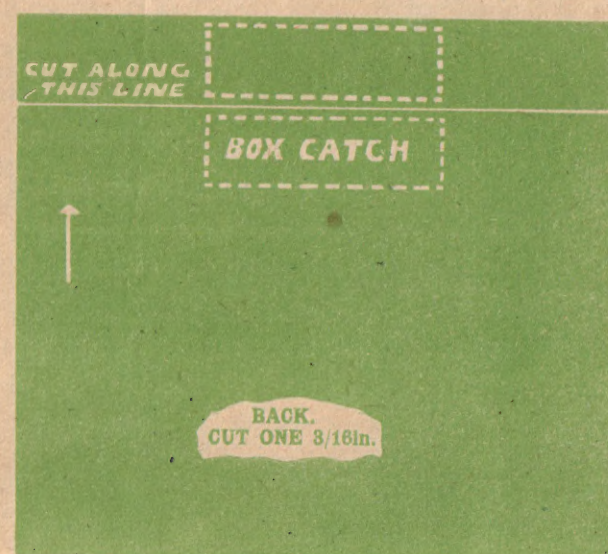
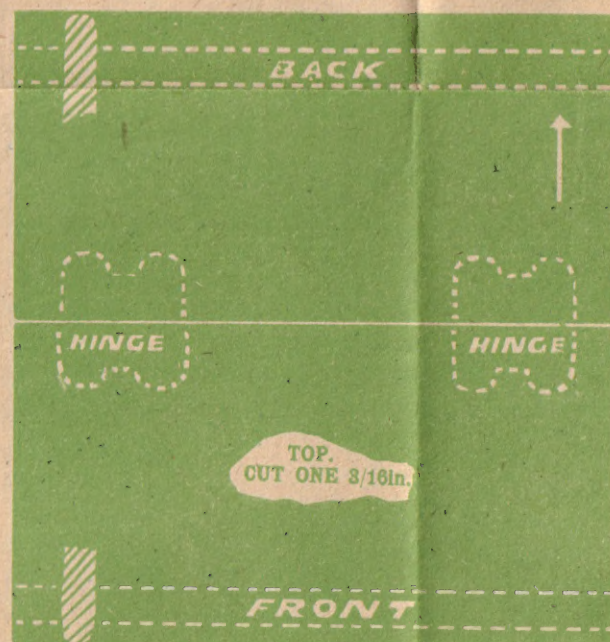
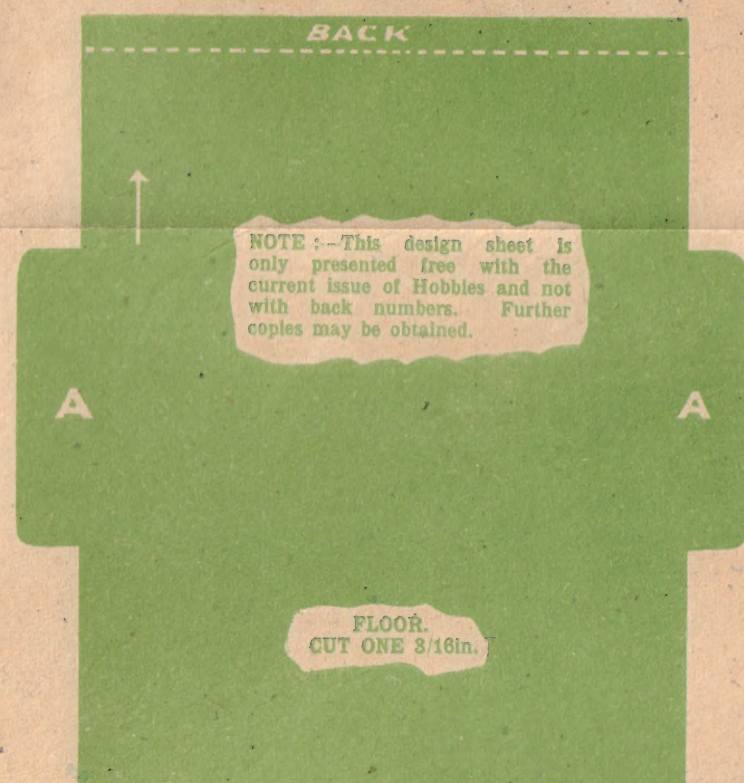
TOP. CUT ONE 3/16in.

BACK. CUT ONE 3/16in.

TURNING KNOB. CUT ONE OF EACH 3/16in. AND GLUE TO SPINDLE.

SPINDLE. CUT TWO AND SHAPE UP FROM 3/16in.

THE FINISHED KNOB READY FOR FIXING TO MOVABLE FRONT.



LIP RAIL. CUT ONE 3/16in. AND ROUND OFF TOP EDGE TO SECTION.

SLOPING PARTITION. CUT ONE 3/16in. AND CHAMFER ON TWO EDGES TO SECTION.

CIGARETTE HOLDER

THE mechanical cigarette delivery box shown on the other side, is a novel piece of work to cut out with the fretsaw from pieces of wood $\frac{3}{16}$ in. and $\frac{1}{4}$ in. thick. All the patterns required are shown; as well as two details which make the mechanism clear.

The box holds a number of cigarettes and when the knob on the righthand side is turned, one of them is delivered into the hollow platform at the front. Each time the knob is turned backwards and forwards it brings a cigarette, until the box is empty. The principal work is in the delivery mechanism, and time and care should be spent to see that this works smoothly and operates satisfactorily each time.

The parts shown should be cut out by marking the patterns on to the wood, and cleaning them with glass-paper afterwards. The parts are quite straightforward although several of them have to be shaped up.

Two-piece Front

Notice, too, how the front is cut into two pieces along the line just below the word "Cigarettes." This lower portion must also have one long edge chamfered deeply, and the other edge chamfered to a more slight angle. The actual slope of this chamfer is shown by the shaded section, and this angle must be carefully maintained to ensure satisfactory delivery.

When all parts are all ready, the construction should be proceeded

with in this way. First of all get the two sides, the floor and the top. The position of them is shown by the dotted lines on the pattern of the side. The lower portion of the front, of course, fits to the movable cigarette delivery portion, and the upper portion of the part of the front comes immediately above it.

The Holder

The actual cigarette holder piece is shown in the details on the sheet. Two $\frac{3}{16}$ in. pieces of the cigarette rest are glued together, and to the front of this is fixed the lower and chamfered portion of the front. Notice that the chamfered piece is inwards. Immediately above this is glued the outside front rail which projects slightly above to form a stop against the main front.

At the back of this piece is the rounded portion. This is made from two $\frac{3}{16}$ in. boards (or one $\frac{1}{2}$ in. piece) and then filed and glasspapered to the curve shown so it may turn round easily in the aperture of the front. Into the end of the solid block a spindle on a short rounded piece is glued to project at each end through the sides.

Turning Handle

It must project far enough to allow the circular disc to be glued on to form a turning handle. The spindle portion, by the way, cannot be finally glued in until the whole thing has been tested in place and found satisfactory.

The two cutaway diagrams on the

sheet illustrate the two positions. The lower one shows the cigarettes running down the sloping floor, and one in the grooved holder. The diagram above shows the holder turned, and the cigarette rolled out down the chamfered slope.

The sloping floor can be fitted between the two sides either by gluing in place, or gluing on to two support strips fitted to the inner face of the sides. The back is not yet in place near the other hinged portion of the top because this will allow trial to be made with the mechanism to get it right. When satisfactory, the other portion of the top is hinged on with its glued block of the back below.

The Back

The back, in the first instance, can be cut as a plain rectangle, and then the top strip cut off. Fit the back in by gluing to the sides and floor, then see that the top strip is glued to the underside of the top so it comes down on to the upper edge of the back.

By the way, the sloping floor, you will note, has had to be chamfered slightly to rest snugly against the back, and the other end has also to be chamfered to allow the turning of the cigarette holder portion. The top is hinged by two small fancy hinges, and if necessary, a little catch can be put on the back to keep the lid from falling open.

The only other remaining piece is a narrow lip rail glued along the front of the floor to prevent the cigarettes rolling off when ejected.